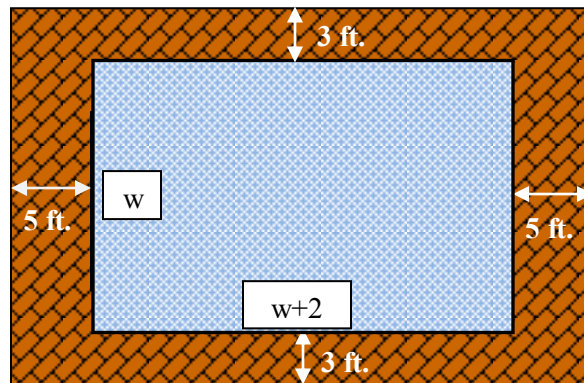


Name: _____

Polynomial Practice

Ashlee is placing a rug in the middle of her bedroom. The length of the rug is two feet more than the width.

Diagram of Bedroom:



a.) Write an expression in terms of w for the *length of the bedroom*. _____

b.) Write an expression in terms of w for the *width of the bedroom*. _____

c.) Write an expression in terms of w for the *area of the bedroom*. _____

d.) Write an expression in terms of w for the *area covered by the rug*. _____

e.) Write an expression in terms of w for the *area of the floor NOT covered by the rug*. _____

f.) Ashlee figured out that the uncovered floor measured 248 square feet. Use your answer from part e to write an equation and solve for w . _____

Use your answer from part f:

g.) What are the dimensions of the rug?

h.) What are the dimensions of the bedroom?